

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	90	438/930.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:35
L2	1085	438/30.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:36
L3	442	2 and (groove\$1 or hole\$1) and (heat\$3 or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:39
L4	278	2 and (grow\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:42
L5	113394	(crystal\$5 near10 grow\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:43
L6	71566	5 and (thermal or heat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:44
L7	22754	6 and (groov\$3 or hole\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:51
L8	1461	7 and (group near3 crystal\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:54
L9	137	8 and (width near10 (hole\$1 or trench\$2 or groov\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 12:05

## EAST Search History

L10	396	438/603,604.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 12:05
S1	81910	metal near2 (etch\$3 or pattern\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 10:56
S2	1871	S1 and (metal same (plurality near3 (hole\$1 or groove\$1 or trench\$2 or recess\$2)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 02:05
S3	20	S2 and (((irregular or indefinite) near2 shape\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 02:06
S4	81910	metal near2 (etch\$3 or pattern\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:33
S5	1871	S4 and (metal same (plurality near3 (hole\$1 or groove\$1 or trench\$2 or recess\$2)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:33
S6	20	S5 and (((irregular or indefinite) near2 shape\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 14:12
S7	0	"438602,603".ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:35
S8	332	"438/602,603".ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:35
S9	1026	438/30.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:35

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S10	1409	257/189,200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:36
S11	715	S10 and (heat or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:36
S12	542	S11 and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:36
S13	159	S9 and (metal same (heat or thermal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:36
S14	41600	((irregular or indefinite) near2 shape\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 12:37
S15	547	S14 and metal same (groove\$1 or hole\$1) and crystal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 13:19
S16	127459	crystal\$6 same grow\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 13:21
S17	11296	S16 and (group near3 compound\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 13:21
S18	2517	S17 and (metal same (heat or thermal) or (heat adj treatmetn) or (thermal adj treatment))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 14:01
S19	4	S18 and (metal same ((irregular or indefinte or abnormal) adj shape\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/20 14:02

## EAST Search History

S20	6611	metal.clm. and ((heat adj treatment). clm. or (thermal adj treatment).clm.)	US-PGPUB; USPAT	OR	OFF	2007/01/20 14:13
S21	933	S20 and (hole\$1.clm. or groove\$1.clm. or recess\$2.clm. or cavities.clm.)	US-PGPUB; USPAT	OR	OFF	2007/01/20 14:14
S22	69	S21 and grow\$3.clm.	US-PGPUB; USPAT	OR	OFF	2007/01/20 15:30
S23	183	(group adj3 compound) near4 buffer	US-PGPUB; USPAT	OR	OFF	2007/01/20 15:31
S24	177	S23 and (buffer near2 (layer or film))	US-PGPUB; USPAT	OR	OFF	2007/01/20 15:32
S25	87	S23 and (buffer near2 (layer or film)). clm.	US-PGPUB; USPAT	OR	OFF	2007/01/20 16:09
S26	0	S25 and Ga\$1Al\$1In	US-PGPUB; USPAT	OR	OFF	2007/01/20 16:09
S27	0	S25 and Ga\$1Al\$1In\$1	US-PGPUB; USPAT	OR	OFF	2007/01/20 16:09
S28	0	S25 and gaalin	US-PGPUB; USPAT	OR	OFF	2007/01/20 16:09